Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Manual	Date:	06/07/2017 12:25 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	Cytometer Baseline:	04/21/2017 12:22 PM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125095	0	2.08	124903	2.16
Blue	F	SSC	125000	124443	-1	3.30	124751	3.20
Blue	E	FITC	23355	22859	-3	2.45	1022	10.01
Blue	D	PE	28848	28365	-2	2.00	1023	9.61
Blue	B	PerCP-Cy5-5	47791	47268	-2	3.48	1362	16.62
Blue	A	PE-Cy7	41358	41122	-1	5.05	637	34.90
Red	C	APC	51316	50792	-2	2.77	2926	9.16
Red	A	APC-Cy7	53225	52283	-2	2.76	1094	11.06
Violet	B	V450	14473	13724	-6	3.77	662	9.20
Violet	A	V500	59973	58400	-3	3.51	2599	6.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17171	6.90	603	5	N/A	N/A	Pass
Blue	F	SSC	61422	1.52	540	6	N/A	N/A	Pass
Blue	E	FITC	115	39.20	542	-2	0.0221	244	Pass
Blue	D	PE	227	27.74	537	-1	0.1620	214	Pass
Blue	B	PerCP-Cy5-5	213	44.20	627	-3	0.0105	103	Pass
Blue	A	PE-Cy7	70	117.49	678	-3	0.0123	18	Pass
Red	C	APC	340	27.42	591	-3	0.0222	119	Pass
Red	A	APC-Cy7	118	40.70	570	-6	0.0057	1802	Pass
Violet	B	V450	80	42.36	474	3	0.0402	1632	Pass
Violet	A	V500	189	23.11	506	5	0.0132	327	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.86	-31.37	0.82
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	18.24	13.27 - 19.91	N/A	N/A	31.42	31.90	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9717

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments